



Project No. 09793-06-02  
July 28, 2008

BY E-MAIL AND OVERNIGHT DELIVERY

Mr. James Pardee  
West Lilac Farms, LLC and  
West Lilac Farms II, LLC  
267 Stonecreek Court  
Westlake Village, California 91361

Subject: WEST LILAC FARMS PROPERTIES  
32542 AQUADUCT ROAD AND 31817 VIA ARARAT DRIVE  
BONSALL, CALIFORNIA  
LIMITED SOIL ASSESSMENT  
SUMMARY OF FINDINGS

Dear Mr. Pardee:

In accordance with your request and Geocon Proposal No. EP-2008-042, Geocon Consultants, Inc. (Geocon) has conducted a limited soil assessment of the property located at 32542 Aquaduct Road and 31817 Via Ararat Drive (the Site) in Bonsall, California (Figure 1). The assessment consisted of soil sampling and analytical testing for pesticides. This report presents the results of the limited assessment of soil at the Site.

### **SITE DESCRIPTION AND BACKGROUND**

The Site consists of two parcels identified as San Diego County Assessor's Parcel Number (APN) 127-290-05 and 127-271-28. APN 127-290-05 is square in shape and covers approximately 39 acres. APN 127-271-28 is irregular in shape and covers approximately 54 acres. Figure 2 shows the parcel configurations and relative positions.

The parcels are currently being used for agricultural purposes and are covered with organically grown avocado and citrus groves, and a small portion of APN 127-290-05 is being utilized as flower orchards. The Site topography is uneven with low-relief rolling hills and wide valleys. The historical land use at the Site from the early 1970s to the present time has been agricultural.

### **PURPOSE AND OBJECTIVES**

The purpose of the limited soil assessment was to evaluate the potential presence of pesticides in soil resulting from agricultural use of the Site. The information from the assessment was required to assess the suitability of the Site for residential land use. The San Diego County Department of Environmental Health required the assessment to address the concern of potential pesticide impacts identified in an

Environmental Impact Report (EIR) prepared for the proposed residential development. The objective of the limited soil assessment was to collect representative soil samples from selected areas of the Site with the potential to be impacted by pesticides and perform appropriate laboratory analysis of soil samples for pesticides. The results were intended to be used to determine if further study or remedial action might be necessary.

## **SCOPE OF SERVICES**

This section describes the soil sampling activities and analytical testing that were performed for the limited soil assessment.

### **Soil Sampling**

On July 8, 2008, we collected soil samples from four predetermined locations on the Site using a hand-auger.. A Boring Location Map is attached (Figure 2). Soil samples were collected in accordance with the scoping requirement for the EIR with approval from the DEH of the soil sampling locations and depths. The SS-1 sampling location was selected to assess the potential use of this location as a pesticide mixing or storage area. Currently, there is no mixing or storage on the Site. The SS-2 sampling location was selected to assess potential presence of residual pesticides from use on flowering crops at the Site and for down stream accumulation from stormwater run-off. The SS-3 location was selected to be downstream in the drainage canal to assess potential accumulation of pesticides from storm water runoff. The SS-4 location was chosen to assess the potential presence of pesticides in the avocado and citrus groves that exist on the majority of the Site.

Soil samples were collected at 0.5 and 2.5 feet below surface grade in each location. At each sampling depth, soil samples were collected into laboratory-supplied 4-ounce glass jars. The samples were labeled with boring number, depth, and time collected, then transported to the analytical laboratory under standard chain of custody protocol.

### **Analytical Testing**

The samples were picked up and transported by Advanced Technology Laboratory of Signal Hill, California, a California Department of Health Services-certified laboratory. The laboratory was directed to analyze the 0.5-foot samples for organochlorine pesticides by United States Environmental Protection Agency (EPA) Method 8081A and for organophosphorus pesticides by EPA Method 8141A. The 2.5-foot samples were archived pending results of the 0.5-foot samples.

## **FINDINGS**

Organophosphorus pesticides were not detected at or greater than the method reporting limit (MRL) in all four samples. Organochlorine pesticides analysis results are summarized in the table below. The complete analytical report is attached.

Summary of Laboratory Analysis Results Organochlorine Pesticides by EPA Method 80801A					
Pesticide	Analysis Results (µg/kg)				
	SS1-0.5	SS2-0.5	SS3-0.5	SS4-0.5	Residential Soil PRG
4,4' – DDD	<2.0	<2.0	<10	<2.0	2,000
4,4' – DDE	160	5.8	<10	<2.0	1,400
4,4' – DDT	33	<2.0	<10	<2.0	1,700
alpha – chlordane	98	1.9	22	<1.0	*
gamma - chlordane	88	1.1	14	<1.0	*
chlordane	940	27	190	<8.5	1,600
dieldrin	6.9	<2.0	<10	<2.0	30
heptachlor epoxide	9.4	<1.0	<5.0	<1.0	53

Notes:

µg/kg = micrograms per kilogram

\* = no PRG reporting limits are available. Cumulative Chlordane samples would not exceed PRG residential soil limits.

## Discussion of Analytical Results

The concentrations of the organochlorine pesticides listed in the table above were compared to the EPA Region IX Preliminary Remediation Goals (PRGs) dated May, 2008 for residential soil. PRGs are used as a screening-level tool to evaluate the potential need for further evaluation of sites with concentrations of known cancer and non-cancer causing substances.

The concentrations of detected contaminants did not meet or exceed the PRGs for organochlorine pesticides in residential soil and therefore are not likely to pose a risk to public health

## CONCLUSIONS

We conducted limited soil sampling and pesticide analytical testing at the Site. Concentrations of the organochlorine pesticides, DDE, DDT, chlordane, dieldrin, and heptachlor epoxide were detected in the four samples at concentrations less than the applicable regulatory thresholds. No organophosphorus pesticides were identified at or greater than the analytical detection limits in the samples analyzed. It is our opinion that the concentrations of pesticides detected in soil samples collected from suggest that the levels of residual pesticides in soil on the Site do not present a risk to human health and that no further assessment of the Site is warranted.

## LIMITATIONS

The conclusions presented in this report are based upon limited sample collection and analytical testing. The information presented is relevant to the dates of our site visit and should not be relied upon to represent conditions at later dates. The opinions expressed herein are based on our experience with similar studies and information obtained during our effort. If additional information becomes available, we request the opportunity to review the information and modify our opinions, if necessary.

The scope of work completed at the Site was conducted by Geocon expressly and solely for West Lilac Farms, LLC and West Lilac Farms II, LLC. Any reliance upon the information, conclusions, or

recommendations contained in this report for purposes other than the stated purpose shall be at the sole liability of the party undertaking such use.

Our services have been conducted using the degree of care and skill ordinarily exercised, under similar circumstances, by environmental sciences consultants practicing in this or similar localities. No other warranty, expressed or implied, is made as to the professional opinions presented in this report. Geocon is not responsible for the conclusions, opinions, or recommendations made by others based on this information.

Geocon makes no warranties or guarantees, express or implied, included or intended by the report except that it has been prepared in accordance with the current generally accepted practices and standards consistent with the level of care and skill exercised under similar circumstances by other professional consultants or firms performing the same or similar services. This report is intended for use by the Client.


This evaluation does not address the presence of the following conditions unless specifically stated otherwise:

- radon, electromagnetic fields, asbestos, lead-containing paint, mold, burn ash, lead in drinking water, methane gas, and wetlands;
- chemical compounds which naturally occur in the environment;
- commonly used household cleaning products, building materials, and consumables that may be hazardous; and
- contaminants or contaminant concentrations that are not currently a concern but may be under future regulatory standards.

Please call if you have any questions.

Sincerely,

**GEOCON CONSULTANTS, INC.**



Julie Horn  
Environmental Scientist

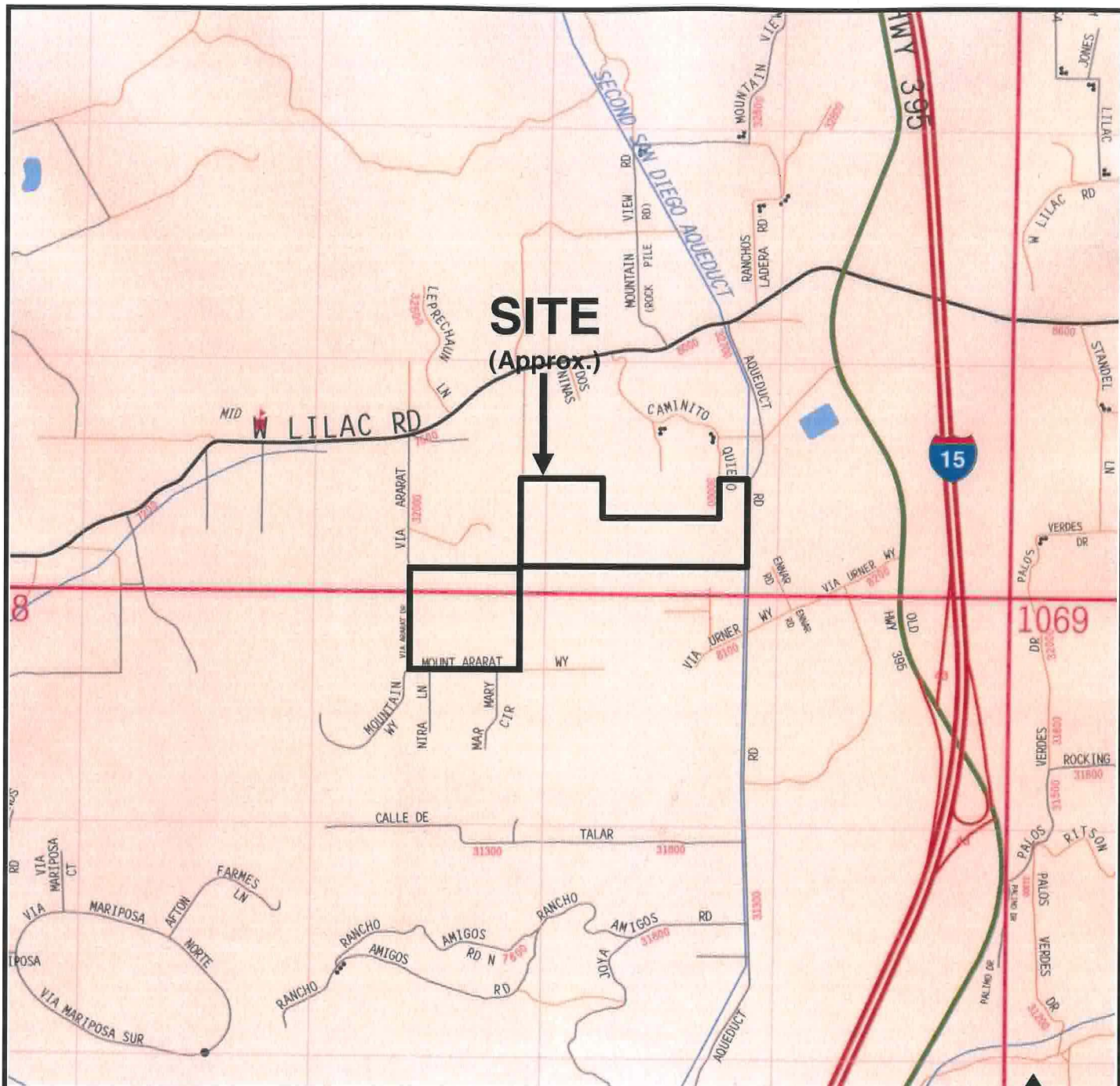


Jim Brake, PG, RBP  
Senior Geologist

JGH:JFB:sc

(1) Addressee

Attachments: Figure 1, Vicinity Map  
Figure 2, Site Plan  
Analytical Data Report



SOURCE: 2007 THOMAS BROS. MAP DIGITAL EDITION  
SAN DIEGO AND IMPERIAL COUNTIES, CALIFORNIA

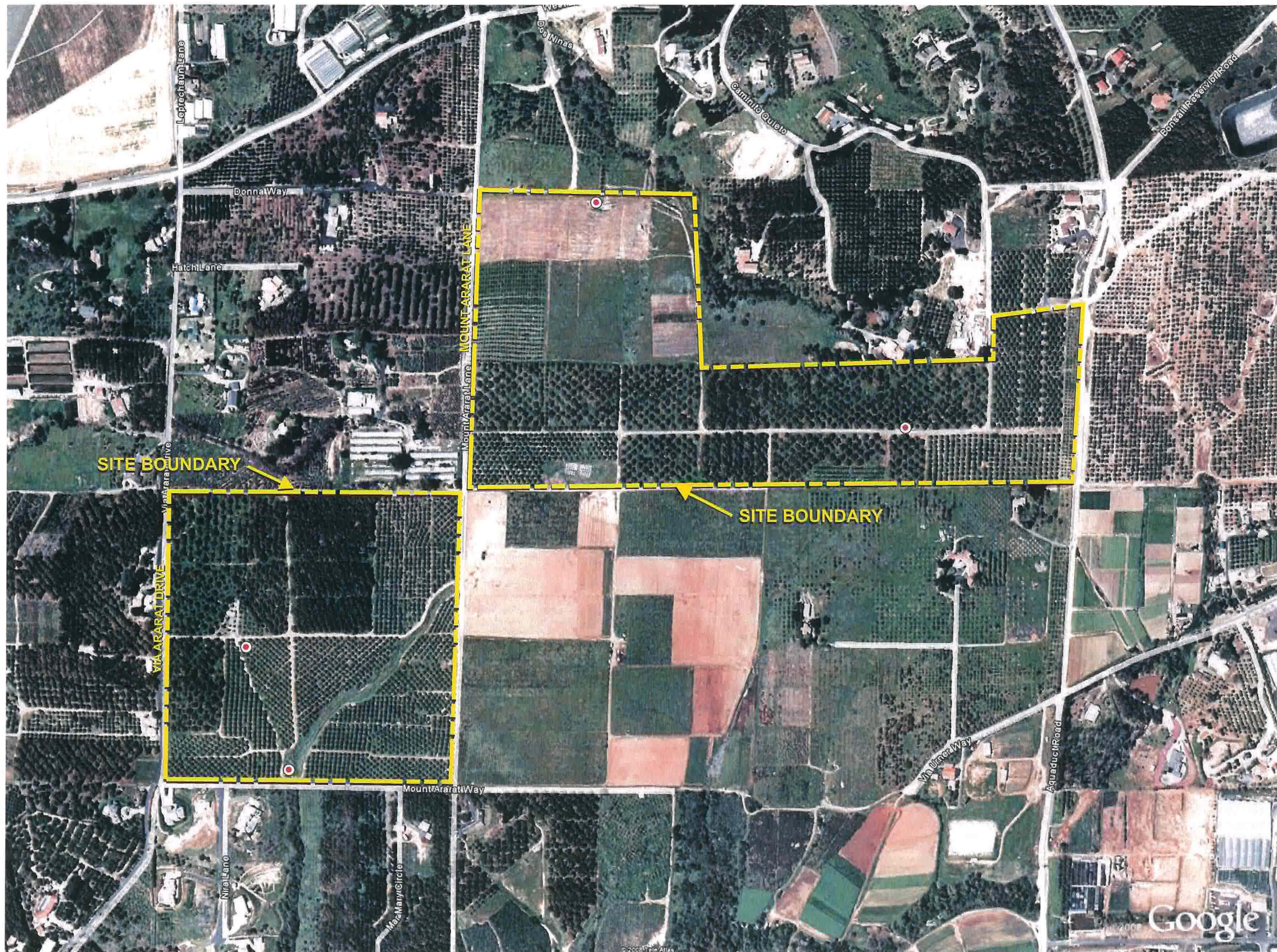
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ALL OR ANY PART THEREOF, WHETHER FOR PERSONAL USE OR RESALE, WITHOUT PERMISSION.

Approximate Scale  
1 in. = 1,687.5 ft.

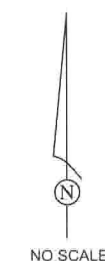
<b>GEOCON</b> CONSULTANTS, INC.	
GEOTECHNICAL ■ ENVIRONMENTAL ■ MATERIALS 6970 FLANDERS DRIVE - SAN DIEGO, CALIFORNIA 92121 - 2974 PHONE 858 558-6100 - FAX 858 558-8437	
JGH	

VICINITY MAP			
WEST LILAC FARMS PROPERTIES 32542 AQUADUCT ROAD AND 31817 VIA ARARAT DRIVE BONSALL, CALIFORNIA			
DATE:	7-28-2008	PROJECT NO.	09793-06-02
			FIG. 1





WEST LILAC FARMS PROPERTIES  
32542 AQUADUCT ROAD AND  
31817 VIA ARARAT DRIVE  
BONSALL, CALIFORNIA



#### LEGEND

●.....APPROX. LOCATION OF SOIL SAMPLE

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SITE PLAN

**GEOCON**  
CONSULTANTS, INC.



GEOTECHNICAL ■ ENVIRONMENTAL ■ MATERIALS  
6970 FLANDERS DRIVE - SAN DIEGO, CALIFORNIA 92121 - 2974  
PHONE 858 558-6100 - FAX 858 558-8437  
PROJECT NO. 09793 - 06 - 02  
FIGURE 2  
DATE 07 - 28 - 2008



July 17, 2008



Julie Horn  
Geocon Consultants, Inc.  
6970 Flanders Drive  
San Diego, CA 92121  
TEL: (858) 558-6100  
FAX: (858) 558-8437

ELAP No.: 1838  
NELAP No.: 02107CA  
NEVADA.: CA-401  
Arizona: AZ0689  
CSDLAC No.: 10196  
Workorder No.: 099787

RE: West Lilac Farms Properties, 09793-06-02

Attention: Julie Horn

Enclosed are the results for sample(s) received on July 08, 2008 by Advanced Technology Laboratories. The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

A handwritten signature in black ink, appearing to read "Eddie F. Rodriguez".

Eddie F. Rodriguez  
Laboratory Director

The cover letter is an integral part of this analytical report. This Laboratory Report cannot be reproduced in part or in its entirety without written permission from the client and Advanced Technology Laboratories.



# Advanced Technology Laboratories

# ANALYTICAL RESULTS

Print Date: 17-Jul-08

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	SS1-0.5-070808
<b>Lab Order:</b>	099787	<b>Collection Date:</b>	7/8/2008 11:27:00 AM
<b>Project:</b>	West Lilac Farms Properties, 09793-06-02	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	099787-001A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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## ORGANOCHLORINE PESTICIDES BY GC/ECD

### EPA 3550B

### EPA 8081A

RunID: GC9_080711A	QC Batch: 47109	PrepDate: 7/10/2008	Analyst: HL
4,4'-DDD	ND	2.0	µg/Kg
4,4'-DDE	160	20	µg/Kg
4,4'-DDT	33	2.0	µg/Kg
Aldrin	ND	1.0	µg/Kg
alpha-BHC	ND	1.0	µg/Kg
alpha-Chlordane	98	10	µg/Kg
beta-BHC	ND	1.0	µg/Kg
Chlordane	940	85	µg/Kg
delta-BHC	ND	1.0	µg/Kg
Dieldrin	6.9	2.0	µg/Kg
Endosulfan I	ND	1.0	µg/Kg
Endosulfan II	ND	2.0	µg/Kg
Endosulfan sulfate	ND	2.0	µg/Kg
Endrin	ND	2.0	µg/Kg
Endrin aldehyde	ND	2.0	µg/Kg
Endrin ketone	ND	2.0	µg/Kg
gamma-BHC	ND	1.0	µg/Kg
gamma-Chlordane	88	10	µg/Kg
Heptachlor	ND	1.0	µg/Kg
Heptachlor epoxide	9.4	1.0	µg/Kg
Methoxychlor	ND	8.5	µg/Kg
Toxaphene	ND	85	µg/Kg
Surr: Decachlorobiphenyl	119	31-132	%REC
Surr: Decachlorobiphenyl	82.4	31-132	%REC
Surr: Tetrachloro-m-xylene	61.6	34-106	%REC
Surr: Tetrachloro-m-xylene	86.3	34-106	%REC

## ORGANOPHOSPHOROUS PESTICIDES BY GC/NPD

### EPA 3550B

### EPA 8141A

RunID: GCNPD_080715A	QC Batch: 47208	PrepDate: 7/14/2008	Analyst: JT
Azinphosmethyl	ND	5.0	µg/Kg
Bolstar	ND	5.0	µg/Kg
Chlorpyrifos	ND	5.0	µg/Kg
Coumaphos	ND	5.0	µg/Kg
Demeton-O	ND	5.0	µg/Kg
Demeton-S	ND	5.0	µg/Kg

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



# Advanced Technology Laboratories

# ANALYTICAL RESULTS

Print Date: 17-Jul-08

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	SS1-0.5-070808
<b>Lab Order:</b>	099787	<b>Collection Date:</b>	7/8/2008 11:27:00 AM
<b>Project:</b>	West Lilac Farms Properties, 09793-06-02	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	099787-001A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ORGANOPHOSPHOROUS PESTICIDES BY GC/NPD						
EPA 3550B			EPA 8141A			
RunID: GCNPD_080715A	QC Batch: 47208				PrepDate: 7/14/2008	Analyst: JT
Diazinon	ND	5.0		µg/Kg	1	7/16/2008 01:24 AM
Dichlorvos	ND	5.0		µg/Kg	1	7/16/2008 01:24 AM
Disulfoton	ND	5.0		µg/Kg	1	7/16/2008 01:24 AM
Ethoprop	ND	5.0		µg/Kg	1	7/16/2008 01:24 AM
Fensulfothion	ND	5.0		µg/Kg	1	7/16/2008 01:24 AM
Fenthion	ND	5.0		µg/Kg	1	7/16/2008 01:24 AM
Malathion	ND	5.0		µg/Kg	1	7/16/2008 01:24 AM
Mevinphos	ND	5.0		µg/Kg	1	7/16/2008 01:24 AM
Naled	ND	5.0		µg/Kg	1	7/16/2008 01:24 AM
Parathion, methyl	ND	5.0		µg/Kg	1	7/16/2008 01:24 AM
Phorate	ND	5.0		µg/Kg	1	7/16/2008 01:24 AM
Ronnel	ND	5.0		µg/Kg	1	7/16/2008 01:24 AM
Tetrachlorvinphos	ND	5.0		µg/Kg	1	7/16/2008 01:24 AM
Tokuthion	ND	5.0		µg/Kg	1	7/16/2008 01:24 AM
Trichloronate	ND	5.0		µg/Kg	1	7/16/2008 01:24 AM
Merphos	ND	5.0		µg/Kg	1	7/16/2008 01:24 AM
Surr: Tributyl Phosphate	99.5	50-150		%REC	1	7/16/2008 01:24 AM
Surr: Triphenyl phosphate	130	50-150		%REC	1	7/16/2008 01:24 AM

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

# Advanced Technology Laboratories

# ANALYTICAL RESULTS

Print Date: 17-Jul-08

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	SS2-0.5-070808
<b>Lab Order:</b>	099787	<b>Collection Date:</b>	7/8/2008 11:44:00 AM
<b>Project:</b>	West Lilac Farms Properties, 09793-06-02	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	099787-003A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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## ORGANOCHLORINE PESTICIDES BY GC/ECD

### EPA 3550B

### EPA 8081A

RunID: GC9_080711A	QC Batch: 47109	PrepDate: 7/10/2008	Analyst: HL
4,4'-DDD	ND	2.0	µg/Kg
4,4'-DDE	5.8	2.0	µg/Kg
4,4'-DDT	ND	2.0	µg/Kg
Aldrin	ND	1.0	µg/Kg
alpha-BHC	ND	1.0	µg/Kg
alpha-Chlordane	1.9	1.0	µg/Kg
beta-BHC	ND	1.0	µg/Kg
Chlordane	27	8.5	µg/Kg
delta-BHC	ND	1.0	µg/Kg
Dieldrin	ND	2.0	µg/Kg
Endosulfan I	ND	1.0	µg/Kg
Endosulfan II	ND	2.0	µg/Kg
Endosulfan sulfate	ND	2.0	µg/Kg
Endrin	ND	2.0	µg/Kg
Endrin aldehyde	ND	2.0	µg/Kg
Endrin ketone	ND	2.0	µg/Kg
gamma-BHC	ND	1.0	µg/Kg
gamma-Chlordane	1.1	1.0	µg/Kg
Heptachlor	ND	1.0	µg/Kg
Heptachlor epoxide	ND	1.0	µg/Kg
Methoxychlor	ND	8.5	µg/Kg
Toxaphene	ND	85	µg/Kg
Surr: Decachlorobiphenyl	103	31-132	%REC
Surr: Tetrachloro-m-xylene	87.9	34-106	%REC

## ORGANOPHOSPHOROUS PESTICIDES BY GC/NPD

### EPA 3550B

### EPA 8141A

RunID: GCNPD_080715A	QC Batch: 47208	PrepDate: 7/14/2008	Analyst: JT
Azinphosmethyl	ND	5.0	µg/Kg
Bolstar	ND	5.0	µg/Kg
Chlorpyrifos	ND	5.0	µg/Kg
Coumaphos	ND	5.0	µg/Kg
Demeton-O	ND	5.0	µg/Kg
Demeton-S	ND	5.0	µg/Kg
Diazinon	ND	5.0	µg/Kg
Dichlorvos	ND	5.0	µg/Kg

<b>Qualifiers:</b>	B Analyte detected in the associated Method Blank	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	ND Not Detected at the Reporting Limit
	S Spike/Surrogate outside of limits due to matrix interference	Results are wet unless otherwise specified
	DO Surrogate Diluted Out	

# Advanced Technology Laboratories

# ANALYTICAL RESULTS

Print Date: 17-Jul-08

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	SS2-0.5-070808
<b>Lab Order:</b>	099787	<b>Collection Date:</b>	7/8/2008 11:44:00 AM
<b>Project:</b>	West Lilac Farms Properties, 09793-06-02	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	099787-003A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>ORGANOPHOSPHOROUS PESTICIDES BY GC/NPD</b>						
<b>EPA 3550B</b>			<b>EPA 8141A</b>			
RunID: GCNPD_080715A	QC Batch: 47208			PrepDate: 7/14/2008		Analyst: JT
Disulfoton	ND	5.0		µg/Kg	1	7/16/2008 02:26 AM
Ethoprop	ND	5.0		µg/Kg	1	7/16/2008 02:26 AM
Fensulfothion	ND	5.0		µg/Kg	1	7/16/2008 02:26 AM
Fenthion	ND	5.0		µg/Kg	1	7/16/2008 02:26 AM
Malathion	ND	5.0		µg/Kg	1	7/16/2008 02:26 AM
Mevinphos	ND	5.0		µg/Kg	1	7/16/2008 02:26 AM
Naled	ND	5.0		µg/Kg	1	7/16/2008 02:26 AM
Parathion, methyl	ND	5.0		µg/Kg	1	7/16/2008 02:26 AM
Phorate	ND	5.0		µg/Kg	1	7/16/2008 02:26 AM
Ronnel	ND	5.0		µg/Kg	1	7/16/2008 02:26 AM
Tetrachlorvinphos	ND	5.0		µg/Kg	1	7/16/2008 02:26 AM
Tokuthion	ND	5.0		µg/Kg	1	7/16/2008 02:26 AM
Trichloronate	ND	5.0		µg/Kg	1	7/16/2008 02:26 AM
Merphos	ND	5.0		µg/Kg	1	7/16/2008 02:26 AM
Surr: Tributyl Phosphate	123	50-150		%REC	1	7/16/2008 02:26 AM
Surr: Triphenyl phosphate	125	50-150		%REC	1	7/16/2008 02:26 AM

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



# Advanced Technology Laboratories

# ANALYTICAL RESULTS

Print Date: 17-Jul-08

**CLIENT:** Geocon Consultants, Inc. **Client Sample ID:** SS3-0.5-070808  
**Lab Order:** 099787 **Collection Date:** 7/8/2008 12:10:00 PM  
**Project:** West Lilac Farms Properties, 09793-06-02 **Matrix:** SOIL  
**Lab ID:** 099787-005A

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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## ORGANOCHLORINE PESTICIDES BY GC/ECD

### EPA 3550B

### EPA 8081A

RunID:	GC9_080711A	QC Batch:	47109	PrepDate:	7/10/2008	Analyst:	HL
4,4'-DDD	ND	10	µg/Kg	5	7/12/2008 10:58 AM		
4,4'-DDE	ND	10	µg/Kg	5	7/12/2008 10:58 AM		
4,4'-DDT	ND	10	µg/Kg	5	7/12/2008 10:58 AM		
Aldrin	ND	5.0	µg/Kg	5	7/12/2008 10:58 AM		
alpha-BHC	ND	5.0	µg/Kg	5	7/12/2008 10:58 AM		
alpha-Chlordane	22	5.0	µg/Kg	5	7/12/2008 10:58 AM		
beta-BHC	ND	5.0	µg/Kg	5	7/12/2008 10:58 AM		
Chlordane	190	42	µg/Kg	5	7/12/2008 10:58 AM		
delta-BHC	ND	5.0	µg/Kg	5	7/12/2008 10:58 AM		
Dieldrin	ND	10	µg/Kg	5	7/12/2008 10:58 AM		
Endosulfan I	ND	5.0	µg/Kg	5	7/12/2008 10:58 AM		
Endosulfan II	ND	10	µg/Kg	5	7/12/2008 10:58 AM		
Endosulfan sulfate	ND	10	µg/Kg	5	7/12/2008 10:58 AM		
Endrin	ND	10	µg/Kg	5	7/12/2008 10:58 AM		
Endrin aldehyde	ND	10	µg/Kg	5	7/12/2008 10:58 AM		
Endrin ketone	ND	10	µg/Kg	5	7/12/2008 10:58 AM		
gamma-BHC	ND	5.0	µg/Kg	5	7/12/2008 10:58 AM		
gamma-Chlordane	14	5.0	µg/Kg	5	7/12/2008 10:58 AM		
Heptachlor	ND	5.0	µg/Kg	5	7/12/2008 10:58 AM		
Heptachlor epoxide	ND	5.0	µg/Kg	5	7/12/2008 10:58 AM		
Methoxychlor	ND	42	µg/Kg	5	7/12/2008 10:58 AM		
Toxaphene	ND	420	µg/Kg	5	7/12/2008 10:58 AM		
Surr: Decachlorobiphenyl	84.0	31-132	%REC	5	7/12/2008 10:58 AM		
Surr: Tetrachloro-m-xylene	70.7	34-106	%REC	5	7/12/2008 10:58 AM		

## ORGANOPHOSPHOROUS PESTICIDES BY GC/NPD

### EPA 3550B

### EPA 8141A

RunID:	GCNPD_080715A	QC Batch:	47208	PrepDate:	7/14/2008	Analyst:	JT
Azinphosmethyl	ND	5.0	µg/Kg	1	7/16/2008 02:58 AM		
Bolstar	ND	5.0	µg/Kg	1	7/16/2008 02:58 AM		
Chlorpyrifos	ND	5.0	µg/Kg	1	7/16/2008 02:58 AM		
Coumaphos	ND	5.0	µg/Kg	1	7/16/2008 02:58 AM		
Demeton-O	ND	5.0	µg/Kg	1	7/16/2008 02:58 AM		
Demeton-S	ND	5.0	µg/Kg	1	7/16/2008 02:58 AM		
Diazinon	ND	5.0	µg/Kg	1	7/16/2008 02:58 AM		
Dichlorvos	ND	5.0	µg/Kg	1	7/16/2008 02:58 AM		

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

# Advanced Technology Laboratories

# ANALYTICAL RESULTS

Print Date: 17-Jul-08

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	SS3-0.5-070808
<b>Lab Order:</b>	099787	<b>Collection Date:</b>	7/8/2008 12:10:00 PM
<b>Project:</b>	West Lilac Farms Properties, 09793-06-02	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	099787-005A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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## ORGANOPHOSPHOROUS PESTICIDES BY GC/NPD

### EPA 3550B

### EPA 8141A

RunID: GCNPD_080715A	QC Batch: 47208	PrepDate: 7/14/2008	Analyst: JT
Disulfoton	ND	5.0	µg/Kg
Ethoprop	ND	5.0	µg/Kg
Fensulfothion	ND	5.0	µg/Kg
Fenthion	ND	5.0	µg/Kg
Malathion	ND	5.0	µg/Kg
Mevinphos	ND	5.0	µg/Kg
Naled	ND	5.0	µg/Kg
Parathion, methyl	ND	5.0	µg/Kg
Phorate	ND	5.0	µg/Kg
Ronnel	ND	5.0	µg/Kg
Tetrachlorvinphos	ND	5.0	µg/Kg
Tokuthion	ND	5.0	µg/Kg
Trichloronate	ND	5.0	µg/Kg
Merphos	ND	5.0	µg/Kg
Surr: Tributyl Phosphate	113	50-150	%REC
Surr: Triphenyl phosphate	132	50-150	%REC

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

# Advanced Technology Laboratories

# ANALYTICAL RESULTS

Print Date: 17-Jul-08

**CLIENT:** Geocon Consultants, Inc. **Client Sample ID:** SS4-0.5-070808  
**Lab Order:** 099787 **Collection Date:** 7/8/2008 12:31:00 PM  
**Project:** West Lilac Farms Properties, 09793-06-02 **Matrix:** SOIL  
**Lab ID:** 099787-007A

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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## ORGANOCHLORINE PESTICIDES BY GC/ECD

### EPA 3550B

### EPA 8081A

RunID:	GC9_080711A	QC Batch:	47109	PrepDate:	7/10/2008	Analyst:	HL
4,4'-DDD	ND	2.0	µg/Kg	1	7/11/2008 07:56 PM		
4,4'-DDE	ND	2.0	µg/Kg	1	7/11/2008 07:56 PM		
4,4'-DDT	ND	2.0	µg/Kg	1	7/11/2008 07:56 PM		
Aldrin	ND	1.0	µg/Kg	1	7/11/2008 07:56 PM		
alpha-BHC	ND	1.0	µg/Kg	1	7/11/2008 07:56 PM		
alpha-Chlordane	ND	1.0	µg/Kg	1	7/11/2008 07:56 PM		
beta-BHC	ND	1.0	µg/Kg	1	7/11/2008 07:56 PM		
Chlordane	ND	8.5	µg/Kg	1	7/11/2008 07:56 PM		
delta-BHC	ND	1.0	µg/Kg	1	7/11/2008 07:56 PM		
Dieldrin	ND	2.0	µg/Kg	1	7/11/2008 07:56 PM		
Endosulfan I	ND	1.0	µg/Kg	1	7/11/2008 07:56 PM		
Endosulfan II	ND	2.0	µg/Kg	1	7/11/2008 07:56 PM		
Endosulfan sulfate	ND	2.0	µg/Kg	1	7/11/2008 07:56 PM		
Endrin	ND	2.0	µg/Kg	1	7/11/2008 07:56 PM		
Endrin aldehyde	ND	2.0	µg/Kg	1	7/11/2008 07:56 PM		
Endrin ketone	ND	2.0	µg/Kg	1	7/11/2008 07:56 PM		
gamma-BHC	ND	1.0	µg/Kg	1	7/11/2008 07:56 PM		
gamma-Chlordane	ND	1.0	µg/Kg	1	7/11/2008 07:56 PM		
Heptachlor	ND	1.0	µg/Kg	1	7/11/2008 07:56 PM		
Heptachlor epoxide	ND	1.0	µg/Kg	1	7/11/2008 07:56 PM		
Methoxychlor	ND	8.5	µg/Kg	1	7/11/2008 07:56 PM		
Toxaphene	ND	85	µg/Kg	1	7/11/2008 07:56 PM		
Surr: Decachlorobiphenyl	74.1	31-132	%REC	1	7/11/2008 07:56 PM		
Surr: Tetrachloro-m-xylene	63.7	34-106	%REC	1	7/11/2008 07:56 PM		

## ORGANOPHOSPHOROUS PESTICIDES BY GC/NPD

### EPA 3550B

### EPA 8141A

RunID:	GCNPD_080715A	QC Batch:	47208	PrepDate:	7/14/2008	Analyst:	JT
Azinphosmethyl	ND	7.5	µg/Kg	1	7/16/2008 03:29 AM		
Bolstar	ND	7.5	µg/Kg	1	7/16/2008 03:29 AM		
Chlorpyrifos	ND	7.5	µg/Kg	1	7/16/2008 03:29 AM		
Coumaphos	ND	7.5	µg/Kg	1	7/16/2008 03:29 AM		
Demeton-O	ND	7.5	µg/Kg	1	7/16/2008 03:29 AM		
Demeton-S	ND	7.5	µg/Kg	1	7/16/2008 03:29 AM		
Diazinon	ND	7.5	µg/Kg	1	7/16/2008 03:29 AM		
Dichlorvos	ND	7.5	µg/Kg	1	7/16/2008 03:29 AM		

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



# Advanced Technology Laboratories

# ANALYTICAL RESULTS

Print Date: 17-Jul-08

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	SS4-0.5-070808
<b>Lab Order:</b>	099787	<b>Collection Date:</b>	7/8/2008 12:31:00 PM
<b>Project:</b>	West Lilac Farms Properties, 09793-06-02	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	099787-007A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>ORGANOPHOSPHOROUS PESTICIDES BY GC/NPD</b>						
	<b>EPA 3550B</b>			<b>EPA 8141A</b>		
RunID: GCNPD_080715A	QC Batch: 47208			PrepDate: 7/14/2008		Analyst: JT
Disulfoton	ND	7.5		µg/Kg	1	7/16/2008 03:29 AM
Ethoprop	ND	7.5		µg/Kg	1	7/16/2008 03:29 AM
Fensulfothion	ND	7.5		µg/Kg	1	7/16/2008 03:29 AM
Fenthion	ND	7.5		µg/Kg	1	7/16/2008 03:29 AM
Malathion	ND	7.5		µg/Kg	1	7/16/2008 03:29 AM
Mevinphos	ND	7.5		µg/Kg	1	7/16/2008 03:29 AM
Naled	ND	7.5		µg/Kg	1	7/16/2008 03:29 AM
Parathion, methyl	ND	7.5		µg/Kg	1	7/16/2008 03:29 AM
Phorate	ND	7.5		µg/Kg	1	7/16/2008 03:29 AM
Ronnel	ND	7.5		µg/Kg	1	7/16/2008 03:29 AM
Tetrachlorvinphos	ND	7.5		µg/Kg	1	7/16/2008 03:29 AM
Tokuthion	ND	7.5		µg/Kg	1	7/16/2008 03:29 AM
Trichloronate	ND	7.5		µg/Kg	1	7/16/2008 03:29 AM
Merphos	ND	7.5		µg/Kg	1	7/16/2008 03:29 AM
Surr: Tributyl Phosphate	87.8	50-150		%REC	1	7/16/2008 03:29 AM
Surr: Triphenyl phosphate	143	50-150		%REC	1	7/16/2008 03:29 AM

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

# Advanced Technology Laboratories

Date: 17-Jul-08

CLIENT: Geocon Consultants, Inc.  
 Work Order: 099787  
 Project: West Lilac Farms Properties, 09793-06-02  
 ANALYTICAL QC SUMMARY REPORT  
 TestCode: 8081\_S

Sample ID: MB-47109	SampType: MBLK	TestCode: 8081_S	Units: µg/Kg	Prep Date: 7/10/2008	RunNo: 97009						
Client ID: PBS	Batch ID: 47109	TestNo: EPA 8081A	EPA 3550B	Analysis Date: 7/11/2008	SeqNo: 1499871						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4'-DDD	ND	2.0									
4,4'-DDE	ND	2.0									
4,4'-DDT	ND	2.0									
Aldrin	ND	1.0									
alpha-BHC	ND	1.0									
alpha-Chlordane	ND	1.0									
beta-BHC	ND	1.0									
Chlordane	ND	8.5									
delta-BHC	ND	1.0									
Dieldrin	ND	2.0									
Endosulfan I	ND	1.0									
Endosulfan II	ND	2.0									
Endosulfan sulfate	ND	2.0									
Endrin	ND	2.0									
Endrin aldehyde	ND	2.0									
Endrin ketone	ND	2.0									
gamma-BHC	ND	1.0									
gamma-Chlordane	ND	1.0									
Heptachlor	ND	1.0									
Heptachlor epoxide	ND	1.0									
Methoxychlor	ND	8.5									
Toxaphene	ND	85									
Surr: Tetrachloro-m-xylene	12.913		16.67						77.5	34	106
Surr: Decachlorobiphenyl	14.891		16.67						89.3	31	132

Qualifiers: B Analyte detected in the associated Method Blank  
 ND Not Detected at the Reporting Limit  
 DO Surrogate Diluted Out  
 E Value above quantitation range  
 R RPD outside accepted recovery limits  
 Calculations are based on raw values  
 H Holding times for preparation or analysis exceeded  
 S Spike/Surrogate outside of limits due to matrix interference

**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** 099787  
**Project:** West Lilac Farms Properties, 09793-06-02

**TestCode:** 8081\_S

**ANALYTICAL QC SUMMARY REPORT**

Sample ID: LCS-47109	SampType: LCS	TestCode: 8081_S	Units: µg/Kg	Prep Date: 7/10/2008	RunNo: 97009						
Client ID: LCSS	Batch ID: 47109	TestNo: EPA 8081A	EPA 3550B	Analysis Date: 7/11/2008	SeqNo: 1499872						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Aldrin	14.773	1.0	16.67	0	88.6	59	111				
Dieldrin	14.569	2.0	16.67	0	87.4	57	105				
Endrin	13.027	2.0	16.67	0	78.1	52	139				
gamma-BHC	14.639	1.0	16.67	0	87.8	58	111				
Heptachlor	15.852	1.0	16.67	0	95.1	59	114				
Surr: Tetrachloro-m-xylene	12.884		16.67		77.3	34	106				
Surr: Decachlorobiphenyl	14.691		16.67		88.1	31	132				

Sample ID: 099372-035AMS	SampType: MS	TestCode: 8081_S	Units: µg/Kg	Prep Date: 7/10/2008	RunNo: 97009						
Client ID: ZZZZZZ	Batch ID: 47109	TestNo: EPA 8081A	EPA 3550B	Analysis Date: 7/11/2008	SeqNo: 1499873						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

4,4'-DDT	19.101	2.0	16.67	0.8180	110	33	122				
Aldrin	16.016	1.0	16.67	0	96.1	36	118				
Dieldrin	26.921	2.0	16.67	5.503	128	35	116				S
Endrin	15.936	2.0	16.67	0	95.6	39	140				
gamma-BHC	15.930	1.0	16.67	0	95.6	34	117				
Heptachlor	16.482	1.0	16.67	0	98.9	37	121				
Surr: Tetrachloro-m-xylene	13.650		16.67		81.9	34	106				
Surr: Decachlorobiphenyl	16.861		16.67		101	31	132				

Sample ID: 099372-035AMSD	SampType: MSD	TestCode: 8081_S	Units: µg/Kg	Prep Date: 7/10/2008	RunNo: 97009						
Client ID: ZZZZZZ	Batch ID: 47109	TestNo: EPA 8081A	EPA 3550B	Analysis Date: 7/11/2008	SeqNo: 1499874						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

4,4'-DDT	17.974	2.0	16.67	0.8180	103	33	122	19.10	6.08	20	
Aldrin	15.517	1.0	16.67	0	93.1	36	118	16.02	3.17	20	
Dieldrin	26.058	2.0	16.67	5.503	123	35	116	26.92	3.26	20	S
Endrin	15.590	2.0	16.67	0	93.5	39	140	15.94	2.19	20	
gamma-BHC	15.103	1.0	16.67	0	90.6	34	117	15.93	5.33	20	

**Qualifiers:**

B Analyte detected in the associated Method Blank  
ND Not Detected at the Reporting Limit  
DO Surrogate Diluted Out

E Value above quantitation range  
R RPD outside accepted recovery limits  
Calculations are based on raw values

H Holding times for preparation or analysis exceeded  
S Spike/Surrogate outside of limits due to matrix interference



**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** 099787  
**Project:** West Lilac Farms Properties, 09793-06-02

**TestCode:** 8081\_S

**ANALYTICAL QC SUMMARY REPORT**

Sample ID: 099372-035AMSD	SampType: MSD	TestCode: 8081_S	Units: µg/Kg	Prep Date: 7/10/2008	RunNo: 97009						
Client ID: ZZZZZZ	Batch ID: 47109	TestNo: EPA 8081A	EPA 3550B	Analysis Date: 7/11/2008	SeqNo: 1499874						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Heptachlor	16.130	1.0	16.67	0	96.8	37	121	16.48	2.16	20	
Surr: Tetrachloro-m-xylene	13.385		16.67		80.3	34	106		0	20	
Surr: Decachlorobiphenyl	16.421		16.67		98.5	31	132		0	20	

Qualifiers:			
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
DO	Surrogate Diluted Out		Calculations are based on raw values
		H	Holding times for preparation or analysis exceeded
		S	Spike/Surrogate outside of limits due to matrix interference

**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** 099787  
**Project:** West Lilac Farms Properties, 09793-06-02  
**TestCode:** 8141\_S  
**ANALYTICAL QC SUMMARY REPORT**

Sample ID: LCS-47208		SampType: LCS		TestCode: 8141_S		Units: µg/Kg		Prep Date: 7/14/2008		RunNo: 97156	
Client ID: LCSS		Batch ID: 47208		TestNo: EPA 8141A		EPA 3550B		Analysis Date: 7/15/2008		SeqNo: 1502290	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Azinphosmethyl	58.733	5.0	66.66	0	88.1	50	150				
Bolstar	68.400	5.0	66.66	0	103	50	150				
Chlorpyrifos	67.500	5.0	66.66	0	101	50	150				
Coumaphos	63.167	5.0	66.66	0	94.8	50	150				
Demeton-O	64.367	5.0	66.66	0	96.6	50	150				
Demeton-S	72.100	5.0	66.66	0	108	50	150				
Diazinon	67.667	5.0	66.66	0	102	50	150				
Dichlorvos	72.400	5.0	66.66	0	109	50	150				
Disulfoton	69.600	5.0	66.66	0	104	50	150				
Ethoprop	66.067	5.0	66.66	0	99.1	50	150				
Fensulfothion	74.933	5.0	66.66	0	112	50	150				
Fenthion	67.767	5.0	66.66	0	102	50	150				
Malathion	68.300	5.0	66.66	0	102	50	150				
Mevinphos	68.767	5.0	66.66	0	103	50	150				
Naled	56.800	5.0	66.66	0	85.2	0	150				
Parathion, methyl	73.133	5.0	66.66	0	110	50	150				
Phorate	69.167	5.0	66.66	0	104	50	150				
Ronnel	66.000	5.0	66.66	0	99.0	50	150				
Tetrachlorvinphos	72.000	5.0	66.66	0	108	50	150				
Tokuthion	66.800	5.0	66.66	0	100	50	150				
Trichloronate	66.133	5.0	66.66	0	99.2	50	150				
Merphos	70.867	5.0	66.66	0	106	50	150				
Surr: Tributyl Phosphate	68.000		66.66		102	50	150				
Surr: Triphenyl phosphate	69.033		66.66		104	50	150				

Sample ID: 099787-003A-MS	SampType: MS	TestCode: 8141_S	Units: µg/Kg	Prep Date: 7/14/2008	RunNo: 97156						
Client ID: SS2-0.5-070808	Batch ID: 47208	TestNo: EPA 8141A	EPA 3550B	Analysis Date: 7/15/2008	SeqNo: 1502291						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Azinphosmethyl	170.133	10	133.3	0	128	50	150				

**Qualifiers:**  
 B Analyte detected in the associated Method Blank  
 ND Not Detected at the Reporting Limit  
 DO Surrogate Diluted Out  
 E Value above quantitation range  
 R RPD outside accepted recovery limits  
 H Holding times for preparation or analysis exceeded  
 S Spike/Surrogate outside of limits due to matrix interference  
 Calculations are based on raw values

**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** 099787  
**Project:** West Lilac Farms Properties, 09793-06-02  
**TestCode:** 8141\_S

# ANALYTICAL QC SUMMARY REPORT

Sample ID: 099787-003A-MS		SampType: MS	TestCode: 8141_S		Units: µg/Kg	Prep Date: 7/14/2008		RunNo: 97156			
Client ID: SS2-0.5-070808		Batch ID: 47208	TestNo: EPA 8141A		EPA 3550B	Analysis Date: 7/15/2008		SeqNo: 1502291			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bolstar	134.133	10	133.3	0	101	50	150				
Chlorpyrifos	130.933	10	133.3	0	98.2	50	150				
Coumaphos	165.200	10	133.3	0	124	50	150				
Demeton-O	103.733	10	133.3	0	77.8	50	150				
Demeton-S	126.000	10	133.3	0	94.5	50	150				
Diazinon	122.867	10	133.3	0	92.2	50	150				
Dichlorvos	100.267	10	133.3	0	75.2	50	150				
Disulfoton	87.333	10	133.3	0	65.5	50	150				
Ethoprop	122.933	10	133.3	0	92.2	50	150				
Fensulfothion	158.333	10	133.3	0	119	50	150				
Fenthion	130.333	10	133.3	0	97.8	50	150				
Malathion	139.600	10	133.3	0	105	50	150				
Mevinphos	117.467	10	133.3	0	88.1	50	150				
Naled	122.000	10	133.3	0	91.5	0	150				
Parathion, methyl	145.800	10	133.3	0	109	50	150				
Phorate	120.867	10	133.3	0	90.7	50	150				
Ronnel	126.733	10	133.3	0	95.1	50	150				
Tetrachlorvinphos	148.867	10	133.3	0	112	50	150				
Tokuthion	129.000	10	133.3	0	96.8	50	150				
Trichloronate	129.400	10	133.3	0	97.1	50	150				
Merphos	133.733	10	133.3	0	100	50	150				
Surr: Tributyl Phosphate	124.267		133.3		93.2	50	150				
Surr: Triphenyl phosphate	137.933		133.3		103	50	150				

Sample ID: 099787-003A-MSD		SampType: MSD	TestCode: 8141_S		Units: µg/Kg	Prep Date: 7/14/2008		RunNo: 97156			
Client ID: SS2-0.5-070808		Batch ID: 47208	TestNo: EPA 8141A		EPA 3550B	Analysis Date: 7/15/2008		SeqNo: 1502292			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Azinphosmethyl	203.733	10	133.3	0	153	50	150	170.1	18.0	20	S
Bolstar	141.400	10	133.3	0	106	50	150	134.1	5.27	20	

**Qualifiers:**  
 B Analyte detected in the associated Method Blank  
 ND Not Detected at the Reporting Limit  
 DO Surrogate Diluted Out  
 E Value above quantitation range  
 R RPD outside accepted recovery limits  
 Calculations are based on raw values  
 H Holding times for preparation or analysis exceeded  
 S Spike/Surrogate outside of limits due to matrix interference

**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** 099787  
**Project:** West Lilac Farms Properties, 09793-06-02

**ANALYTICAL QC SUMMARY REPORT**  
**TestCode:** 8141\_S

Sample ID: 099787-003A-MSD		SampType: MSD	TestCode: 8141_S	Units: µg/Kg	Prep Date: 7/14/2008	RunNo: 97156					
Client ID: SS2-0.5-070808		Batch ID: 47208	TestNo: EPA 8141A	EPA 3550B	Analysis Date: 7/15/2008	SeqNo: 1502292					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorpyrifos	129.867	10	133.3	0	97.4	50	150	130.9	0.818	20	
Coumaphos	174.133	10	133.3	0	131	50	150	165.2	5.27	20	
Demeton-O	57.667	10	133.3	0	43.3	50	150	103.7	57.1	20	SR
Demeton-S	42.000	10	133.3	0	31.5	50	150	126.0	100	20	SR
Diazinon	121.067	10	133.3	0	90.8	50	150	122.9	1.48	20	
Dichlorvos	97.800	10	133.3	0	73.4	50	150	100.3	2.49	20	
Disulfoton	42.133	10	133.3	0	31.6	50	150	87.33	69.8	20	SR
Ethoprop	117.533	10	133.3	0	88.2	50	150	122.9	4.49	20	
Fensulfothion	154.533	10	133.3	0	116	50	150	158.3	2.43	20	
Fenthion	116.267	10	133.3	0	87.2	50	150	130.3	11.4	20	
Malathion	139.600	10	133.3	0	105	50	150	139.6	0	20	
Mevinphos	124.267	10	133.3	0	93.2	50	150	117.5	5.63	20	
Naled	116.733	10	133.3	0	87.6	0	150	122.0	4.41	20	
Parathion, methyl	146.467	10	133.3	0	110	50	150	145.8	0.456	20	
Phorate	105.000	10	133.3	0	78.8	50	150	120.9	14.0	20	
Ronnel	127.267	10	133.3	0	95.5	50	150	126.7	0.420	20	
Tetrachlorvinphos	145.933	10	133.3	0	109	50	150	148.9	1.99	20	
Tokuthion	127.000	10	133.3	0	95.3	50	150	129.0	1.56	20	
Trichloronate	132.867	10	133.3	0	99.7	50	150	129.4	2.64	20	
Merphos	130.600	10	133.3	0	98.0	50	150	133.7	2.37	20	
Surr: Tributyl Phosphate	117.667		133.3		88.3	50	150		0	0	
Surr: Triphenyl phosphate	143.400		133.3		108	50	150		0	0	

Sample ID: MB-47208		SampType: MBLK	TestCode: 8141_S	Units: µg/Kg	Prep Date: 7/14/2008	RunNo: 97156					
Client ID: PBS		Batch ID: 47208	TestNo: EPA 8141A	EPA 3550B	Analysis Date: 7/16/2008	SeqNo: 1502298					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Azinphosmethyl	ND	5.0									
Bolstar	ND	5.0									
Chlorpyrifos	ND	5.0									

**Qualifiers:**

B Analyte detected in the associated Method Blank  
ND Not Detected at the Reporting Limit  
DO Surrogate Diluted Out

E Value above quantitation range  
R RPD outside accepted recovery limits  
Calculations are based on raw values

H Holding times for preparation or analysis exceeded  
S Spike/Surrogate outside of limits due to matrix interference

**CLIENT:** Geokon Consultants, Inc.  
**Work Order:** 099787  
**Project:** West Lilac Farms Properties, 09793-06-02  
**TestCode:** 8141\_S

# ANALYTICAL QC SUMMARY REPORT

Sample ID: MB-47208		SampType: MBLK		TestCode: 8141_S		Units: µg/Kg		Prep Date: 7/14/2008		RunNo: 97156		
Client ID: PBS		Batch ID: 47208		TestNo: EPA 8141A		EPA 3550B		Analysis Date: 7/16/2008		SeqNo: 1502298		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Coumaphos		ND	5.0									
Demeton-O		ND	5.0									
Demeton-S		ND	5.0									
Diazinon		ND	5.0									
Dichlorvos		ND	5.0									
Disulfoton		ND	5.0									
Ethoprop		ND	5.0									
Fensulfothion		ND	5.0									
Fenthion		ND	5.0									
Malathion		ND	5.0									
Mevinphos		ND	5.0									
Naled		ND	5.0									
Parathion, methyl		ND	5.0									
Phorate		ND	5.0									
Ronnel		ND	5.0									
Tetrachlorvinphos		ND	5.0									
Tokuthion		ND	5.0									
Trichloronate		ND	5.0									
Merphos		ND	5.0									
Surr: Tributyl Phosphate		59.300		66.66		89.0	50	150				
Surr: Triphenyl phosphate		89.967		66.66		135	50	150				

Qualifiers:			
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
DO	Surrogate Diluted Out		Calculations are based on raw values
H	Holding times for preparation or analysis exceeded		
S	Spike/Surrogate outside of limits due to matrix interference		



**Diane Galvan**

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**From:** Julie Horn [horn@geoconinc.com]

**Sent:** Tuesday, July 08, 2008 5:13 PM

**To:** Diane Galvan

**Subject:** Change to Chain of Custody Record from Geocon dated 7/8/2008

Diane,

There is a mistake on the chain of custody for the samples picked up today, July 8, 2008. Please change the test method 8014A to 8141A. If you have any questions or concerns, please contact me at your convenience. Thank you for the opportunity to do business with you.

Sincerely,

Julie Godfrey Horn  
Environmental Scientist  
Geocon Consultants, Inc.  
5970 Flanders Drive  
San Diego, CA 92121  
Tel. (858) 558-6100  
Fax. (858) 558-8437

7/8/2008

